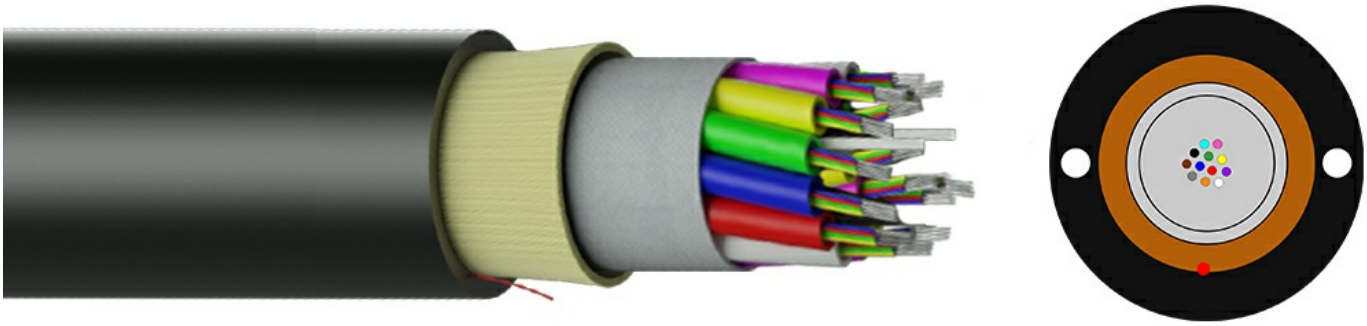
OPUG DROP 12/M12 0.8kN, Cable Diameter: 6 mm, Core Type: G.652D, Armor Type: DARP, Jacket Type: SJ, Jacket Material: HDPE, Fiber & Tube CC: CC-EIA598-A , Cable Color: Black



Description

Underground Fiber Optic Cables (OPUG) are used in various communication networks, designed for duct or direct burial installation. Due to our new technology, the cables show good flexibility and endurance to repeated bending. The glass yarns helps the cable to have good tensile performance and temperature performance under extreme weathers, but also rodent protection under dielectric conditions. This cable contains fibers made of high pure silica and germanium doped silica.

Standards

IEC60794-1
IEC60794-2
IEC60304
ITU-T
EIA-TIA
BS EN 187000
DIN0888

Construction

Central Uni-Tube containing fibers, gel filled;
Glass Yarns as peripheral strength member;
Ripcords;
Outer Sheath;

Cable Characteristics

Fiber Count	12
Modularity	M12
Tube Count layer 1	1
Tube Count layer 2	N/A
Tube Count layer 3	N/A
Filler Count	0
Cable Diameter	6
Cable Diameter Tolerance	± 0.5
Cable Weight	30
Cable Weight Tolerance	± 5
Rate Tensile Strength (RTS)	2
Maximum Allowable Tension (MAT) (40%RTS)	0.8
Everyday Stress (EDS) (20%RTS)	0.4
Strain Margin Strength (60%RTS)	1.2
Crush	1000
Minimum Bending Radius (Installing)	20xD
Minimum Bending Radius (Operating)	10xD
Installation Tensile Strength (≤20%RTS)	0.4
Working Temperature	(-)40 >< (+)70
Installation Temperature	(-)10 >< (+)60
Armor Type	DARP
Jacket Type	SJ
Jacket Material	HDPE
TRS	N/A
Fiber & Tube CC	CC-EIA598-A
Packing	Wooden Drum
Delivery Lengths	To be confirmed by offer
Delivery Length Tolerance	±5

Optical Fiber Core Characteristics

Core Type	G.652D
Attenuation Coefficient at 1310 nm Max.	≤ 0.36
Attenuation Coefficient at 1550 nm Max.	≤ 0.23
Attenuation Coefficient at 1625 nm Max.	N/A
Chromatic Dispersion between 1285 - 1330 nm	≤ 3.5
Chromatic Dispersion at 1550 nm	≤ 18
Chromatic Dispersion at 1625 nm	N/A
Point Discontinuity at 1310 & 1550 nm	≤ 0.1
Polarization Mode Dispersion (PMD Individual)	≤ 0.2
Polarization Mode Dispersion (Link Design)	≤ 0.08
The uniformity attenuation at any projected wavelength	≤ 0.1
Cable Cut off Wavelength (λcc)	≤ 1260
Mode Field Diameter at 1310 nm	9.2 ±0.4
Mode Field Diameter at 1550 nm	10.4±0.5
Cladding Diameter	125 ±1.0
Cladding Non-Circularity	≤0.7
Core / Cladding Concentricity error	≤ 0.5
Coating Diameter	250 ± 7
Coating / Cladding Concentricity error	≤ 12